

**GE Betz**

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Material Safety Data Sheet

Issue Date: 09-OCT-2000

**EMERGENCY TELEPHONE (Health/Accident): (800) 877-1940**

## 1 PRODUCT IDENTIFICATION

PRODUCT NAME:

**FOAMTROL AF4400**

PRODUCT APPLICATION AREA:

**A BETZDEARBORN PRODUCT**

## 2 COMPOSITION / INFORMATION ON INGREDIENTS

Information for specific product ingredients as required by the U.S. OSHA HAZARD COMMUNICATION STANDARD is listed. Refer to additional sections of this MSDS for our assessment of the potential hazards of this formulation.

**HAZARDOUS INGREDIENTS:**

CAS#

CHEMICAL NAME

64741-44-2

DISTILLATES, PETROLEUM, STRAIGHT-RUN MIDDLE  
similar petroleum oils have been shown to cause  
skin tumors in laboratory animals following  
lifetime exposure without washing or removal.

## 3 HAZARDS IDENTIFICATION

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**EMERGENCY OVERVIEW**

**CAUTION**

May cause slight irritation to the skin. May cause dermatitis. May cause slight irritation to the eyes. Moderate, prolonged exposure may cause headache. May cause chemical pneumonitis if aspirated into lungs.

DOT hazard is not applicable

Emergency Response Guide is not applicable

Odor: Slight Hydrocarbon; Appearance: Yellow To Amber, Liquid

Fire fighters should wear positive pressure self-contained breathing apparatus (full face-piece type). Proper fire-extinguishing media: dry chemical, carbon dioxide or foam--Avoid water if possible.

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#### **POTENTIAL HEALTH EFFECTS**

##### **ACUTE SKIN EFFECTS:**

Primary route of exposure; May cause slight irritation to the skin.  
May cause dermatitis.

##### **ACUTE EYE EFFECTS:**

May cause slight irritation to the eyes.

##### **ACUTE RESPIRATORY EFFECTS:**

Moderate, prolonged exposure may cause headache. May cause chemical pneumonitis if aspirated into lungs.

##### **INGESTION EFFECTS:**

May cause gastrointestinal irritation with possible nausea, vomiting, abdominal discomfort and diarrhea. Small amounts aspirated during ingestion or vomiting may cause lung injury, possibly leading to death.

##### **TARGET ORGANS:**

Prolonged or repeated exposures may cause defatting-type dermatitis. Lifetime skin painting studies in mice have produced skin tumors.

##### **MEDICAL CONDITIONS AGGRAVATED:**

Not known.

##### **SYMPTOMS OF EXPOSURE:**

Prolonged exposure may cause drying and cracking of skin.

## **4 FIRST AID MEASURES**

##### **SKIN CONTACT:**

Wash thoroughly with soap and water. Remove contaminated clothing. Get medical attention if irritation develops or persists.

##### **EYE CONTACT:**

Remove contact lenses. Hold eyelids apart. Immediately flush eyes with plenty of low-pressure water for at least 15 minutes. Get medical attention if irritation persists after flushing.

##### **INHALATION:**

Remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, give artificial respiration. Get immediate medical attention.

##### **INGESTION:**

Do not feed anything by mouth to an unconscious or convulsive victim. Do not induce vomiting. Immediately contact physician. Dilute contents of stomach using 3-4 glasses milk or water.

##### **NOTES TO PHYSICIANS:**

This product contains a hydrocarbon solvent. Aspiration into the lungs will result in chemical pneumonia and may be fatal.

## **5 FIRE FIGHTING MEASURES**

##### **FIRE FIGHTING INSTRUCTIONS:**

Fire fighters should wear positive pressure self-contained breathing apparatus (full face-piece type).

**EXTINGUISHING MEDIA:**

dry chemical, carbon dioxide or foam--Avoid water if possible.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Thermal decomposition (destructive fires) yields elemental oxides.

**FLASH POINT:**

> 200F > 93C P-M(CC)

## 6 ACCIDENTAL RELEASE MEASURES

**PROTECTION AND SPILL CONTAINMENT:**

Ventilate area. Use specified protective equipment. Contain and absorb on absorbent material. Place in waste disposal container. Flush area with water. Wet area may be slippery. Spread sand/grit.

**DISPOSAL INSTRUCTIONS:**

Water contaminated with this product may be sent to a sanitary sewer treatment facility, in accordance with any local agreement, a permitted waste treatment facility or discharged under a permit. Product as is - Incinerate or land dispose in an approved landfill.

## 7 HANDLING & STORAGE

**HANDLING:**

Clean spill immediately. Wash contaminated skin promptly.

**STORAGE:**

Keep containers closed when not in use. Store in cool ventilated location. Store away from oxidizers.

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

**EXPOSURE LIMITS****CHEMICAL NAME**

DISTILLATES, PETROLEUM, STRAIGHT-RUN MIDDLE

PEL (OSHA): 5 MG/M3

TLV (ACGIH): 5 MG/M3

**ENGINEERING CONTROLS:**

Adequate ventilation to maintain air contaminants below exposure limits.

**PERSONAL PROTECTIVE EQUIPMENT:**

Use protective equipment in accordance with 29CFR 1910 Subpart I

**RESPIRATORY PROTECTION:**

A RESPIRATORY PROTECTION PROGRAM THAT MEETS OSHA'S 29 CFR 1910.134 AND ANSI Z88.2 REQUIREMENTS MUST BE FOLLOWED WHENEVER WORKPLACE CONDITIONS WARRANT A RESPIRATOR'S USE.

USE AIR PURIFYING RESPIRATORS WITHIN USE LIMITATIONS ASSOCIATED WITH THE EQUIPMENT OR ELSE USE SUPPLIED AIR-RESPIRATORS.

If air-purifying respirator use is appropriate, use a respirator with organic vapor cartridges and dust/mist prefilters.

**SKIN PROTECTION:**

neoprene gloves-- Wash off after each use. Replace as necessary.

**EYE PROTECTION:**

splash proof chemical goggles

## 9 PHYSICAL & CHEMICAL PROPERTIES

Specific Grav. (70F, 21C)	0.836	Vapor Pressure (mmHG)	< 1.0
Freeze Point (F)	ND	Vapor Density (air=1)	> 1.00
Freeze Point (C)	ND		
Viscosity(cps 70F, 21C)	19	% Solubility (water)	< 0.0

Odor	Slight Hydrocarbon
Appearance	Yellow To Amber
Physical State	Liquid
Flash Point	P-M(CC) > 200F > 93C
pH 5% Emulsion (approx.)	5.9
Evaporation Rate (Ether=1)	< 1.00

NA = not applicable      ND = not determined

## 10 STABILITY & REACTIVITY

### STABILITY:

Stable under normal storage conditions.

### HAZARDOUS POLYMERIZATION:

Will not occur.

### INCOMPATIBILITIES:

May react with strong oxidizers.

### DECOMPOSITION PRODUCTS:

Thermal decomposition (destructive fires) yields elemental oxides.

### INTERNAL PUMPOUT/CLEANOUT CATEGORIES:

"B"

## 11 TOXICOLOGICAL INFORMATION

Oral LD50 RAT:	>2,000 mg/kg
NOTE - Estimated value	
Dermal LD50 RABBIT:	>2,000 mg/kg
NOTE - Estimated value	

## 12 ECOLOGICAL INFORMATION

### AQUATIC TOXICOLOGY

Fathead Minnow 96 Hour Static Acute Bioassay  
10% Mortality= 2000; 0% Mortality= 1000 mg/L  
Sheepshead Minnow 48 Hour Static Acute Bioassay  
20% Mortality= 400; 0% Mortality= 200 mg/L

### BIODEGRADATION

No Data Available.

## 13 DISPOSAL CONSIDERATIONS

If this undiluted product is discarded as a waste, the US RCRA hazardous waste identification number is :  
Not applicable.

Please be advised; however, that state and local requirements for waste disposal may be more restrictive or otherwise different from

federal regulations. Consult state and local regulations regarding the proper disposal of this material.

## 14 TRANSPORT INFORMATION

DOT HAZARD: Not Applicable  
UN / NA NUMBER: Not applicable  
DOT EMERGENCY RESPONSE GUIDE #: Not applicable

## 15 REGULATORY INFORMATION

### TSCA:

All components of this product are listed in the TSCA inventory.

### CERCLA AND/OR SARA REPORTABLE QUANTITY (RQ):

Treat as oil spill

### FOOD AND DRUG ADMINISTRATION:

21 CFR 176.210 & 176.200 (antifoams approved for use in wet end applications and in coating formulations)

When used in this specified application, all ingredients comprising this product are authorized by FDA for the manufacture of paper and paperboard that may contact aqueous and fatty foods as per 21 CFR 176.170(a)(4).

### SARA SECTION 312 HAZARD CLASS:

Immediate(acute);Delayed(Chronic)

### SARA SECTION 302 CHEMICALS:

No regulated constituent present at OSHA thresholds

### SARA SECTION 313 CHEMICALS:

No regulated constituent present at OSHA thresholds

### CALIFORNIA REGULATORY INFORMATION

#### CALIFORNIA SAFE DRINKING WATER AND TOXIC

#### ENFORCEMENT ACT (PROPOSITION 65) CHEMICALS PRESENT:

No regulated constituent present at OSHA thresholds

### MICHIGAN REGULATORY INFORMATION

No regulated constituent present at OSHA thresholds

## 16 OTHER INFORMATION

### NFPA/HMIS

### CODE TRANSLATION

Health	1	Slight Hazard
Fire	1	Slight Hazard
Reactivity	0	Minimal Hazard
Special	NONE	No special Hazard
(1) Protective Equipment	B	Goggles,Gloves

(1) refer to section 8 of MSDS for additional protective equipment recommendations.

### CHANGE LOG

	EFFECTIVE DATE	REVISIONS TO SECTION:	SUPERCEDES
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MSDS status:	30-JAN-1997		** NEW **
	05-AUG-1997	2,3,7,8	30-JAN-1997
	26-NOV-1997	;EDIT:9	05-AUG-1997

19-DEC-1997 2,3,7,8  
01-JUN-1999 15  
20-SEP-2000 2,15  
09-OCT-2000 4

26-NOV-1997  
19-DEC-1997  
01-JUN-1999  
20-SEP-2000